

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/03/04324

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E01F9/06 E01F9/00 E01F9/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/017775 A1 (REINERT GARY L) 30 August 2001 (2001-08-30) page 7, column 1, paragraph 6 -column 2, paragraph 2; figure 11	1,2,5-8
X	NL 1 006 641 C (HEIJMANS WEGEN EN VERKEERSTECH) 25 January 1999 (1999-01-25) page 3, line 28 -page 4, line 13; figures 1,2	1,2,5-8
X	FR 90 957 E (GLACES DE BOUSSOIS) 22 March 1968 (1968-03-22) the whole document	1,2,7
A	WO 01 92641 A (KONINKL PHILIPS ELECTRONICS NV) 6 December 2001 (2001-12-06) cited in the application page 8, line 15 - line 23; figure 2	9,10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

5 January 2004

Date of mailing of the international search report

14/01/2004

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2001017775	A1	30-08-2001	US 6196697 B1	06-03-2001
			US 6033083 A	07-03-2000
			US 5779349 A	14-07-1998
			US 2003179571 A1	25-09-2003
NL 1006641	C	25-01-1999	NL 1006641 C2	25-01-1999
FR 90957	E	22-03-1968	BE 688329 A	17-04-1967
			BE 676819 A	22-08-1966
			CH 437060 A	31-05-1967
			FR 1458124 A	04-03-1966
			GB 1089504 A	01-11-1967
			NL 6602032 A	24-08-1966
			US 3273115 A	13-09-1966
WO 0192641	A	06-12-2001	WO 0192641 A1	06-12-2001
			EP 1290280 A1	12-03-2003
			JP 2003535242 T	25-11-2003
			US 2002012244 A1	31-01-2002